

PTO/SB/08A
Substitute for Form PTO-1449

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 3

Application Number

Filing Date

Concurrently herewith

First Named Inventor

Yasuo SHIBATA et al.

Art Unit

2873

Examiner Name

Attorney Docket

82696

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ²			
W.C.		US-5,754,714	05/19/1998	Suzuki et al.	385/5
W.C.		US-5,999,293	12/07/1999	Manning	398/52
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵				
W.C.		WO 99/25081	05/20/1999	Boffi et al.	--	

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³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²	
W.C.		EISELT, M., "Optical Loop Mirror With Semiconductor Laser Amplifier", <i>Electronics Letters</i> , Vol. 28, No. 16, 30th July 1992, pp. 1505-1507.		
W.C.		EISELT, M. et al., "All-Optical High Speed Demultiplexing With A Semiconductor Laser Amplifier In A Loop Mirror Configuration", <i>Electronics Letters</i> , Vol. 29, No. 13, pp. 1167-1168.		
W.C.		DURHUUS, T. et al., "All Optical Wavelength Conversion by SOA's in a Mach-Zehnder Configuration", <i>IEEE Photonics Technology Letters</i> , Vol. 6, No. 1, January 1994, pp. 53-55.		
W.C.		RATOVELOMANANA, F. et al., "An All-Optical Wavelength-Converter with Semiconductor Optical Amplifiers Monolithically Integrated in an Asymmetric Passive Mach-Zehnder Interferometer", <i>IEEE Photonics Technology Letters</i> , Vol. 7, No. 10, October 1995, pp. 992-994.		
W.C.		EISELT, M. et al., "SLALOM: Semiconductor Laser Amplifier in a Loop Mirror", <i>Journal of Lightwave Technology</i> , Vol. 13, No. 10, October 1995, pp. 2099-2112.		
W.C.		JAHN, E. et al., "Monolithically Integrated Nonlinear Sagnac Interferometer and Its Application as a 20 Gbit/s All-Optical Demultiplexer", <i>Electronics Letters</i> , Vol. 32, No. 9, 25th April 1996, pp. 782-784.		
W.C.		DENG, Kung-Li et al., "Single-Shot Optical Sampling Oscilloscope for Ultrafast Optical Waveforms", <i>IEEE Photonics Technology Letters</i> , Vol. 10, No. 3, March 1998, pp. 397-399.		
W.C.		UENO, Y. et al., "New Wavelength Converter For Picosecond RZ Pulses", <i>Optoelectronics and High-Frequency Device Research Labs, NEC Corp.</i> , ECOC '98, 20-24 September 1998, Madrid, Spain, pp. 1-2.		
W.C.		NESSET, Derek et al., "All-Optical Wavelength Conversion Using SOA Nonlinearities", <i>IEEE Communications Magazine</i> , December 1998, pp. 56-61.		
W.C.		LEUTHOLD, J. et al., "Compact and Fully Packaged Wavelength Converter with Integrated Delay Loop for 40 Gbit/s RZ Signals", <i>Bell Labs, Lucent Technologies</i> , pp. PD17-1 - PD17-3.		
W.C.		UENO, Y. et al., "168-Gb/s OTDM Wavelength Conversion Using An SMZ-Type All-Optical Switch", <i>Optoelectronics and High Frequency Device Research Labs, NEC Corporation</i> , 2 pages.		
Examiner Signature			Date Considered	W.C.

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W.C.		LEUTHOLD, J. et al., "100 Gbit/s All-Optical Wavelength Conversion with Integrated SOA Delayed-Interference Configuration", <i>Electronics Letters</i> , Vol. 36, No. 13, 22nd June 2000, 2 pages.	
W.C.		LEUTHOLD, J. et al., "All-Optical Wavelength Conversion up to 100 Gbit/s with SOA Delayed-Interference Configuration", <i>Bell Labs, Lucent Technologies</i> , 2 pages.	
W.C.		JIANG, Leaf A. et al., "Sampling Pulses with Semiconductor Optical Amplifiers", <i>IEEE Journal of Quantum Electronics</i> , Vol. 37, No. 1, January 2001, pp. 118-126.	
W.C.		SHIBATA, Yasuo et al., "Filter-free Wavelength Conversion using a Sagnac Interferometer Integrated with Parallel Amplifiers Structure (SIPAS)", <i>Proceedings of OECC/IOOC 2001 Conference</i> , 2-5 July 2002, pp. 212-213.	
W.C.		European Search Report dated 15 January 2003 for Application Number EP 01 12 2297, 4 pages.	

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